

# ITEM 5

Agenda Item No. \_\_\_\_\_

File Code No. \_\_\_\_\_



## CITY OF SANTA BARBARA COUNCIL AGENDA REPORT

# DRAFT

**AGENDA DATE:** March 8, 2011

**TO:** Mayor and Councilmembers

**FROM:** Water Resources Division, Public Works Department

**SUBJECT:** Approval Of Equipment Standardization

### RECOMMENDATION:

That Council find it to be in the City's best interest to approve equipment standardization for the Water Resources Division (Water Resources) for the next five-year period, in accordance with Section 4.52.080 (k) of the Municipal Code.

### DISCUSSION:

Water Resources operates a number of complex facilities. These include treatment plants, reservoirs, pump stations, lift stations, and related appurtenances. It is in the City's best interest for Water Resources to standardize on equipment commonly used to support and maintain these facilities. Doing so minimizes the need to train staff on the installation, maintenance and use of a wide variety of equipment. It also reduces the need to stock an array of specialized tools, and minimizes parts inventories necessary for equipment maintenance. Standardizing provides better response time with making repairs and responding to emergencies, resulting in improved performance and reliability of the City's Water Resources facilities. Council previously approved a Standard Equipment list on June 29, 2010. This action updates the Standard Equipment list.

Section 4.52.080 (k) of the Municipal Code authorizes Council to purchase supplies, equipment and services without complying with the formal bid procedure, when it is found to be in the best interests of the City. Staff recommends that Council approve the attached list of equipment as standard for Water Resources for a period of five years.

### BUDGET/FINANCIAL INFORMATION:

Water Resources expenditures on the equipment listing (see Attachment) shall not exceed amounts Council has approved in the budget. Standardizing on commonly used equipment should reduce costs by reducing inventories, training of staff, and the need for specialized tools to work on a wide variety of equipment.

**ATTACHMENT(S):** Water Resources Equipment Lists dated March 8, 2011

**PREPARED BY:** Chris Toth, Wastewater System Manager/CJT/mh

**SUBMITTED BY:** Christine F. Andersen, Public Works Director

**APPROVED BY:** City Administrator's Office

# Water Resources Standard Equipment List

El Estero Wastewater Treatment Plant - March 8, 2011

No.	Equipment	Section
1	ABS Pumps	EEWWTP
2	Allen Bradley Program Logic Controllers	EEWWTP
3	Ashbrook Simon-Hartley Winkelpress	EEWWTP
4	Caterpillar Generators	EEWWTP
5	Cisco Process Floor Ethernet Switches	EEWWTP
6	Cisco Routers	EEWWTP
7	Cornell Pumps	EEWWTP
8	Crane Valves	EEWWTP
9	Delroyd-Nuttall Gear LLC, Gear Reducers	EEWWTP
10	Door-Oliver, Gear Reducers	EEWWTP
11	Eimco Gear Reducers	EEWWTP
12	Envirex Chain and Scrapper Sludge Collector Systems: <ul style="list-style-type: none"> <li>- Bearing Sleeve Band Clamps</li> <li>- Drive Chains</li> <li>- Drive Sprockets</li> <li>- Flight Chains</li> <li>- Flight Chain Holder Attachments</li> <li>- Flight Chain Pins</li> <li>- Flight Squeegee Assembly</li> <li>- Flights Sigma Plus 3"x 8"x 238"</li> <li>- Free Spinner Sprocket Bearing Sleeve Assembly</li> <li>- Free Spinner Sprocket Stub Shafts Assembly</li> <li>- Free Spinner Sprockets 23 Tooth</li> <li>- Head Shaft Bearing Assembly</li> <li>- Head Shaft Keyed Sprockets 23 Tooth</li> <li>- Head Shaft Keyed Sprockets 40 Tooth</li> <li>- Idler Sprockets</li> <li>- Jaw Clutch's</li> <li>- Railing Track Brackets</li> <li>- Secondary Scum Skimmer Assembly</li> <li>- Spacers Blocks</li> <li>- Upper, Lower, Curved Railing Track</li> <li>- Wear Shoes (Forward, Return and Guide)</li> <li>- Wear Strips (Floor &amp; Railings)</li> </ul>	EEWWTP
13	Envirex Primary Scum Skimmers Assembly (Bearings, Shafts, Scrapers)	EEWWTP
14	Fairbanks and Morse Pumps	EEWWTP
15	FCI Gas/Air Flow Meters	EEWWTP
16	Flowserve Pumps	EEWWTP
17	Fluid Dynamics / DynaJet Dry Polymer System	EEWWTP
18	Flygt ITT Industries Inc Pumps	EEWWTP
19	Flygt Pumps	EEWWTP
20	FMC Corporation Grit System	EEWWTP
21	Fontaine Valves	EEWWTP
22	Godwin Pumps	EEWWTP
23	Hydromatic Pumps	EEWWTP
24	Ingersoll Rand Plant Air Compressors	EEWWTP
25	JWC Environmental, Screening Removal System	EEWWTP
26	Koyo PLC's	EEWWTP
27	Landia Mixers	EEWWTP

# Water Resources Standard Equipment List

El Estero Wastewater Treatment Plant - March 8, 2011

No.	Equipment	Section
28	Link-Belt Gear Speed Reducer	EEWWTP
29	LMI Chemical Pumps	EEWWTP
30	Matticks Industries Supply Exhaust Fans	EEWWTP
31	Met-Pro Environmental Air Solution / Duall, Air Scrubbers	EEWWTP
32	Milliken Valves	EEWWTP
33	Milroyal Pumps	EEWWTP
34	Moyno Pumps	EEWWTP
35	MSA Gas Monitoring Sensors	EEWWTP
36	Ovivo After Market Group (Eimco rep) Heat Exchangers	EEWWTP
37	Pacific Tek Screening Removal System	EEWWTP
38	Parkson Corporation Conveyor Systems	EEWWTP
39	Patterson Pump Division Pumps	EEWWTP
40	Peabody Floway Pumps	EEWWTP
41	Poly Processing Tanks	EEWWTP
42	Polytech Corporation Secondary Scum Collector: - Rotating pipe Scum Collector's Assembly - Worm Gears - Ring Gears - Seals - Seal Clamps - Skimmer Tubes - Wall Bearings - Wall Bear Plates	EEWWTP
43	Power Prime Pump	EEWWTP
44	Pro Quip Inc, Gear Reducers	EEWWTP
45	Red Valve Company Valves	EEWWTP
46	Rosemount Radar Level Sensors	EEWWTP
47	Roots Dresser, Blowers	EEWWTP
48	Rotork Actuators	EEWWTP
49	Serpentix Corporation Conveyor Systems	EEWWTP
50	Siemens Ultrasound Level Sensors	EEWWTP
51	Smith and Loveless Pumps	EEWWTP
52	Sonic Wall VPN/LS Routers	EEWWTP
53	Tarby Pumps	EEWWTP
54	Taylor Dunn Electric Carts	EEWWTP
55	Turblex Inc, Blowers	EEWWTP
56	US Filter, Poly Blend Pumps	EEWWTP
57	US Gearmotors Series 3000 - Emerson Gear Reducers	EEWWTP
58	Varec Gas System	EEWWTP
59	Vaughan Company, INC Pumps	EEWWTP
60	Wallace & Tiernen Chlorine Residual Analyzers	EEWWTP
61	Wemco Pumps	EEWWTP
62	De Zurik plug valve	EEWWTP
63	Modicon Quantum Program Logic Controller	EEWWTP
64	U.S. Filter - Wallace & Tiernan residual chlorine analyzers	EEWWTP
65	Telemecaniques - variable frequency drive pump motor controllers	EEWWTP

## Water Resources Standard Equipment List

Cater Water Treatment Plant - March 8, 2011

No.	Equipment	Section
1	EIM electric valve operators	Cater WTP
2	Marsh McBirney insertion flow meters	Cater WTP
3	Rosemount pressure transmitters	Cater WTP
4	Rosemount differential pressure transmitters	Cater WTP
5	Watson Marlow chemical metering pumps (peristaltic)	Cater WTP
6	Peerless Pump horizontal centrifugal pumps	Cater WTP
7	Borger rotary lobe pumps	Cater WTP
8	Hayward PVC ball valves	Cater WTP
9	George Fisher plastic body diaphragm valves	Cater WTP
10	Guardian Equipment emergency eyewash and shower equipment	Cater WTP
11	Phoenix non-fused terminal blocks	Cater WTP
12	Phoenix fused terminal blocks	Cater WTP
13	Square D control relays	Cater WTP
14	Phoenix intrinsically safe relays	Cater WTP
15	Square D variable frequency drive pump motor controllers 60-500 Hp	Cater WTP
16	Square D dry type transformers	Cater WTP
17	Schneider Electric/Square D surge protection devices	Cater WTP
18	Schneider Electric/Square D disconnect switches	Cater WTP
19	Square D low voltage molded case circuit breakers	Cater WTP
20	Square D low voltage molded case circuit motor circuit protectors	Cater WTP
21	Square D motor starters (manual)	Cater WTP
22	Square D full voltage magnetic motor starters	Cater WTP
23	Square D reduced voltage solid-state motor starters	Cater WTP
24	Schneider Electric/Square D low voltage switch gear	Cater WTP
25	Schneider Electric/Square D low voltage motor control centers	Cater WTP
26	Schneider Electric/Square D panelboards	Cater WTP
27	Bussmann low voltage fuses	Cater WTP
28	Micro Motion coriolis mass flowmeters	Cater WTP
29	Rosemount pressure/vacuum measurement diaphragm seals	Cater WTP
30	Rosemount pressure/vacuum measurement instrument manifold valves	Cater WTP
31	Rosemount pressure/vacuum measurement direct	Cater WTP
32	HACH analytical measurement pH	Cater WTP
33	HACH residual ozone analyzers	Cater WTP
34	APC control systems uninterruptible power supplies 10 KVA and below	Cater WTP
35	Cisco ethernet switches	Cater WTP
36	Cisco process floor ethernet switches	Cater WTP
37	Cisco unmanaged ethernet switches	Cater WTP
38	Cisco routers	Cater WTP
39	Phoenix contact copper to fiber transceiver	Cater WTP
40	Phoenix 3 port fiber transceiver	Cater WTP

41	Hubbell category 5e patch panels	Cater WTP
42	Hubbell category 6 patch panels	Cater WTP
43	Hoffman networking PC cabinets	Cater WTP
44	Control Logix control systems - PLC programming software	Cater WTP
45	Square D Co. - VFD pump motor controller 0.5-50 hp	Cater WTP
46	Siemens-Robicon VFD pump motor controller 60-500 hp	Cater WTP
47	Allen Bradley Program Logic Controllers	Cater WTP/Distribution
48	Siemens ultrasonic level indicator	Cater WTP/Distribution
49	HACH chlorine analyzers	Cater WTP/Distribution
50	HACH turbidity meters	Cater WTP/Distribution
51	HACH dissolved oxygen probes	Cater WTP/Distribution
52	Rosemount magnetic flow meters	Cater WTP/Distribution
53	Rosemount pressure transmitters	Cater WTP/Distribution
54	Allen Bradley VFD pump controller 40 - 150 Hp	Distribution
55	Rosemount differential flow meters	Distribution
56	Keller / KPSI level transducers	Distribution
57	Sensus water meters (5/8")	Distribution
58	Murphy pressure switches	Distribution
59	Allen Bradley variable frequency drives	Distribution
60	MDS data radios (Microwave Data Systems)	Distribution
61	Phoenix industrial computers	Distribution
62	Phoenix high density relays	Distribution
63	Phoenix 24V and 12V power supplies	Distribution
64	APC uninterruptible power supply (American Power Conversion)	Distribution
65	LMI chemical feed pumps	Distribution
66	Cole Palmer peristaltic pumps	Distribution
67	Industrial Scientific gas detectors	Distribution
68	Hoffman enclosures	Distribution
69	Siemens / Milltronics Hydromat Level Sensor	Distribution
70	Metron water meters (1" and larger)	Distribution
71	Pratt isolation valves	Distribution
72	Cla-Val pressure reducing valves	Distribution
73	James Jones Fire Hydrants	Distribution
74	Armorcast meter boxes	Distribution
75	Crane check valves	Distribution
76	De Zurik plug valve	Distribution